

What is new and desired to be secured and protected by U.S. letters patent is:

1. An image capture module for inputting a shape of an object on a three-dimensional space, comprising:
 - a light emitting section configured to irradiate light to the object to be imaged;
 - and,
 - an image capturing section disposed in the vicinity of said light emitting section and configured to detect the light emitted by said light emitting section and reflected by said object.
2. The image capture module according to Claim 1, wherein said light emitting section is disposed geometrically symmetrically around said image capture section.
3. The image capture module according to Claim 1, wherein said light emitting section is disposed at positions where the light irradiated from said light emitting section does not enter directly to said image capture section.
4. The image capture module according to Claim 1, comprising:
 - said light emitting section comprising at least one light emitting element; and
 - at least one light reflecting element, mounted around said light emitting element, configured to irradiate the light emitted from said light emitting element within an object image capture range by said light reflecting element.
5. The image capture module according to Claim 4, wherein said light emitting section has a directivity that illuminates a range wider than an image capture range and illuminates a peripheral part of the image capture range more brightly than a center of the image capture range.
6. The image capture module according to Claim 1, wherein said light emitting section has a directivity that illuminates a peripheral part of an image capture range more brightly than a center of the image capture range.
7. The image capture module according to Claim 1, further comprising:
 - a protection device, mounted in front of at least one of said light emitting section and said image capture section, configured to protect said at least one of said light emitting section and said image capture section.

8. The image capture module according to Claim 1, further comprising:
a filtering device which has a wavelength selectivity which passes light of a predetermined wavelength.

9. The image capture module according to Claim 1, further comprising a casing which houses the whole of said light emitting section and said image capture section.

10. The image capture module according to Claim 9, wherein said casing has a connector configured to exchange signals with an internal circuit of said image capture section.

11. The image capture module according to Claim 10, further comprising a rotary shaft mounted to said image capture module and configured for rotatable movement of said image capture module.

12. The image capture module according to Claim 11, wherein said connector is disposed in close vicinity to said rotary shaft.

13. An image capture section for inputting a shape of an object on a three-dimensional space, comprising:

an image capture module, comprising,

a light emitting section configured to irradiate light to an object to be imaged,

and

an image capture section, disposed in a vicinity of said light emitting section and configured to detect light emitted from said light emitting section and reflected by said object; and

a mechanism configured to move said image capture module within a predetermined range of an angle of elevation.

14. The image capture apparatus according to Claim 13, further comprising;
handles attached to said image capture module and configured to move said image capture module.

15. The image capture apparatus according to Claim 13, further comprising a

casing configured to conceal and store an external circuit of said image capture module.